

WHAT IS CLAIMED IS:

1. A recording apparatus for a write-once and/or re-recordable optical recording medium which has a recording position information section formed beforehand for bearing  
5 recording position information, and records a data signal including address information in accordance with said recording position information, the recording apparatus comprising:

a discriminator for discriminating said recording  
10 position information;

a detector for detecting a deviation between said address information recorded in said optical recording medium and said recording position information; and

a controller for controlling the recording position of  
15 the data signal based on the deviation while recording the data signal.

2. A recording apparatus according to claim 1, wherein the controller controls the recording position such that a  
20 difference between said address information and said recording position information falls within a predetermined range.

3. A recording apparatus for a write-once and/or re-recordable optical recording medium which has a recording position information section formed beforehand for bearing  
25 recording position information, and records a data signal in

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a recording format including synchronization information in accordance with said recording position information, the recording apparatus comprising:

a discriminator for discriminating said recording

5 position information;

a detector for detecting a deviation between the synchronization information recorded in said optical recording medium and said recording position information; and

10 a controller for controlling the recording position of the data signal based on the deviation while recording the data signal.

4. A recording apparatus according to claim 3, wherein  
15 the controller controls the recording position such that a difference between the synchronization information and said recording position information falls within a predetermined range.

20 5. A recording apparatus for a write-once and/or re-recordable optical recording medium which has a recording position information section formed beforehand for bearing recording position information, and records a data signal such that the data signal has a predetermined relationship  
25 with said recording position information, the recording apparatus comprising:

a discriminator for discriminating said recording

position information;

a detector for detecting a deviation between the data signal recorded in said optical recording medium and said recording position information; and

5 a controller for controlling the recording position of the data signal based on the deviation while recording the data signal.

10 6. A recording apparatus according to claim 1, wherein the controller controls a recording timing of the data signal based on the deviation.

15 7. A recording apparatus according to claim 6, wherein the controller controls the recording position of the data signal by changing the recording timing.

20 8. A recording apparatus according to claim 6, wherein the controller controls the difference between said address information and said recording position information to be within a predetermined range by recording predetermined data in a recording area present between a recording end position and the position where the recording position information section is formed.

25 9. A recording apparatus according to claim 6, further comprising an identifier for identifying a rewritable optical recording medium on which data is to be recorded,

and an irregular-area detector for detecting an irregular recording area subject to the deviation, wherein the controller rewrites the data which has already recorded on the irregular recording area.

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10. A recording apparatus according to claim 9, further comprising a memory for storing the data recorded onto the irregular recording area.

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11. A recording apparatus according to claim 1, wherein said recording position information is information defined by a prepit.

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12. A recording apparatus according to claim 1, wherein said recording position information is information defined by wobbling.

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13. A recording apparatus according to claim 3, wherein the controller controls a recording timing of the data signal based on the deviation.

14. A recording apparatus according to claim 5, wherein the controller controls a recording timing of the data signal based on the deviation.